



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/723,365 A
Source: IFIBO
Date Processed by STIC: 7/27/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand-Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004
 TIME: 11:58:58

Input Set : A:\2073seq.002
 Output Set: N:\CRF4\07272004\J723365A.raw

```

4 <110> APPLICANT: van den Boom, Dirk
5      Bocker, Sebastian
7 <120> TITLE OF INVENTION: FRAGMENTATION-BASED METHODS AND SYSTEMS
8      FOR SEQUENCE VARIATION DETECTION AND DISCOVERY
11 <130> FILE REFERENCE: 24736-2073
13 <140> CURRENT APPLICATION NUMBER: 10/723,365A
14 <141> CURRENT FILING DATE: 2003-11-26
16 <150> PRIOR APPLICATION NUMBER: US 60/429,895
17 <151> PRIOR FILING DATE: 2002-11-27
19 <160> NUMBER OF SEQ ID NOS: 85
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 7
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Renin cleavage site
31 <400> SEQUENCE: 1
32 Pro Phe His Leu Leu Val Tyr
33 1          5
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 5
38 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Factor Xa cleavage site
44 <220> FEATURE:
45 <221> NAME/KEY: VARIANT
46 <222> LOCATION: 5
47 <223> OTHER INFORMATION: Xaa = Any Amino Acid Except Pro or Arg
49 <400> SEQUENCE: 2
W--> 50 Ile Glu Gly Arg Xaa
51 1          5
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 5
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Factor Xa cleavage site
62 <220> FEATURE:
63 <221> NAME/KEY: VARIANT
64 <222> LOCATION: 5
65 <223> OTHER INFORMATION: Xaa = Any Amino Acid Except Pro or Arg

```

(pg. 6)

Does Not Comply
 Corrected Diskette Needed
 (pg. 3) ↗

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004

TIME: 11:58:58

Input Set : A:\2073seq.002

Output Set: N:\CRF4\07272004\J723365A.raw

67 <400> SEQUENCE: 3

W--> 68 Ile Asp Gly Arg Xaa

69 1 5

72 <210> SEQ ID NO: 4

73 <211> LENGTH: 5

74 <212> TYPE: PRT

75 <213> ORGANISM: Artificial Sequence

77 <220> FEATURE:

78 <223> OTHER INFORMATION: Factor Xa cleavage site

80 <220> FEATURE:

81 <221> NAME/KEY: VARIANT

82 <222> LOCATION: 5

83 <223> OTHER INFORMATION: Xaa = Any Amino Acid Except Pro or Arg

85 <400> SEQUENCE: 4

W--> 86 Ala Glu Gly Arg Xaa

87 1 5

90 <210> SEQ ID NO: 5

91 <211> LENGTH: 5

92 <212> TYPE: PRT

93 <213> ORGANISM: Artificial Sequence

95 <220> FEATURE:

96 <223> OTHER INFORMATION: Collagenase cleavage site

98 <220> FEATURE:

99 <221> NAME/KEY: VARIANT

100 <222> LOCATION: 2, 5

101 <223> OTHER INFORMATION: Xaa = Any Amino Acid

103 <400> SEQUENCE: 5

W--> 104 Pro Xaa Gly Pro Xaa

105 1 5

108 <210> SEQ ID NO: 6

109 <211> LENGTH: 49

110 <212> TYPE: DNA

111 <213> ORGANISM: Artificial Sequence

113 <220> FEATURE:

114 <223> OTHER INFORMATION: Forward primer for base-specific cleavage

116 <400> SEQUENCE: 6

117 cagtaatacg actcactata gggagaaggc tccccagcaa gacggactt 49

119 <210> SEQ ID NO: 7

120 <211> LENGTH: 28

121 <212> TYPE: DNA

122 <213> ORGANISM: Artificial Sequence

124 <220> FEATURE:

125 <223> OTHER INFORMATION: Reverse primer for base-specific cleavage

127 <400> SEQUENCE: 7

128 aggaagagag cgccctcgca aagtacac 28

130 <210> SEQ ID NO: 8

131 <211> LENGTH: 340

132 <212> TYPE: DNA

133 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004

TIME: 11:58:58

Input Set : A:\2073seq.002

Output Set: N:\CRF4\07272004\J723365A.raw

135 <220> FEATURE:
 136 <223> OTHER INFORMATION: Amplicon for base-specific cleavage
 138 <400> SEQUENCE: 8
 139 gggagaaggc tccccagcaa gacggacttc ttcaaaaaca tcataactt catagacatt 60
 140 gtggccatca ttccttattt catcacgctg ggcaccgaga tagctgagca ggaaggaaac 120
 141 cagaagggcg agcaggccac ctccctggcc atccctcaggg tcatacgctt ggtaagggtt 180
 142 ttttagaatct tcaagctctc ccggcactct aagggcctcc agatcctggg ccagaccctc 240
 143 aaagcttagta tgagagagct aggctgctc atcttttcc tcttcatcg ggtcatccctg 300
 144 ttttcttagtg cagtgtactt tgccgaggcg ctctttcct 340
 146 <210> SEQ ID NO: 9
 147 <211> LENGTH: 23
 148 <212> TYPE: DNA
 149 <213> ORGANISM: Artificial Sequence
 151 <220> FEATURE:
 152 <223> OTHER INFORMATION: Forward primer for partial cleavage
 154 <220> FEATURE:
 155 <221> NAME/KEY: modified_base
 156 <222> LOCATION: 1
 157 <223> OTHER INFORMATION: Biotinylated
 159 <400> SEQUENCE: 9
 160 cccagtcacg acgttgtaaa acg 23
 162 <210> SEQ ID NO: 10
 163 <211> LENGTH: 23
 164 <212> TYPE: DNA
 165 <213> ORGANISM: Artificial Sequence
 167 <220> FEATURE:
 168 <223> OTHER INFORMATION: Reverse primer for partial cleavage
 170 <400> SEQUENCE: 10
 171 agcggataac aatttcacac agg 23
 173 <210> SEQ ID NO: 11
 174 <211> LENGTH: 117
 175 <212> TYPE: DNA
 176 <213> ORGANISM: Artificial Sequence
 178 <220> FEATURE:
 179 <223> OTHER INFORMATION: Amplicon for partial cleavage
 181 <400> SEQUENCE: 11
 182 cccagtcacg acgttgtaaa acgtccaggg aggactcacc atggcattt gattgcagag 60
 183 cagctccgag tccatccaga gcttcctgca gtcacctgtg tgaaattgtt atccgct 117
 185 <210> SEQ ID NO: 12
 186 <211> LENGTH: 21
 187 <212> TYPE: DNA
 188 <213> ORGANISM: Artificial Sequence
 190 <220> FEATURE:
 191 <223> OTHER INFORMATION: Reference sequence
 193 <220> FEATURE:
 194 <221> NAME/KEY: misc_feature
 195 <222> LOCATION: 11
 196 <223> OTHER INFORMATION: n = C or A
 198 <220> FEATURE:

- What is the source of
genetic
material?
- Invalid
Response

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004

TIME: 11:58:58

Input Set : A:\2073seq.002

Output Set: N:\CRF4\07272004\J723365A.raw

199 <221> NAME/KEY: misc_feature
 200 <222> LOCATION: 1, 2, 3, 8, 9, 10, 12, 13, 14, 19, 20, 21
 201 <223> OTHER INFORMATION: n = A,T,C or G
 203 <400> SEQUENCE: 12
W--> 204 nnactgnnn nnnntgacnn n 21
 206 <210> SEQ ID NO: 13
 207 <211> LENGTH: 583
 208 <212> TYPE: DNA
 209 <213> ORGANISM: Artificial Sequence
 211 <220> FEATURE:
 212 <223> OTHER INFORMATION: CETP Amplicon
 214 <400> SEQUENCE: 13
 215 cttagtgc cacaccgacc ctatgagtgg ggccgtcaaa ctgtccccat tttacacaca 60
 216 ggaaaactta gtgaatggca aggctgggtt tgagccagc tctattgccccc ccaaagataa 120
 217 ggctccatc cctgctccat ttcccaggca tagggacttg tagggggctg gaaccccagg 180
 218 atcaactctg ggctcagagg gccccagcaa taagtactg ttgattactc ctgatccaa 240
 219 agctgacttc aggcaagctc cttggaggtc gcagccctt cttgctatgc ccagtggcaa 300
 220 ttagtgcata aatcccactc ctcagtgca ggttccacta agaaccatg atctctacc 360
 221 tcaaattggac ctcatgttt ctgagtaagc ctcctcage tttctgtca ctcactccc 420
 222 cccacccact gcaatgactt ctteaggct tccctgtcat ctcataatct ccagctgccc 480
 223 ctcctgtct accttccact tccctctcca cacacaacct gcttaccaga gagctgagca 540
 224 gagccaccaa cagaacttcc ccccccacgtc gtcgtccca gtc 583
 226 <210> SEQ ID NO: 14
 227 <211> LENGTH: 483
 228 <212> TYPE: DNA
 229 <213> ORGANISM: Mycobacterium abscessus
 231 <300> PUBLICATION INFORMATION:
 232 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536038
 233 <309> DATABASE ENTRY DATE: 2003-01-03
 235 <400> SEQUENCE: 14
 236 acgggtgagt aacacgtggg ttagtgc tgcactctgg gataaggctg ggaaaactggg 60
 237 tctaataccg gataggacca cacacttcat ggtgagtggt gcaaaagctt tgcgggtgtgg 120
 238 gatgagcccg cggcctatca gtttgggtgg ggggtaatgg cccaccaagg cgacgacggg 180
 239 tagccggct gagagggtga cccggccacac tgggactgag atacggccca gactctacg 240
 240 ggaggcagca gtggggaaata ttgcacaatg ggcgcaagcc ttagtgcagcg acggccgtg 300
 241 agggatgacg gccttcgggt ttagaacatc tttcagtagg gacgaagcga aagtgacgg 360
 242 acctacagaa gaaggacccgg ccaactacgt gccagcagcc gcgtaataac ttagggtccg 420
 243 agcggtgtcc ggaattactg ggcgtaaaga gctcgtaggt ggtttgtcgc gttgtcgtg 480
 244 aaa 483
 246 <210> SEQ ID NO: 15
 247 <211> LENGTH: 495
 248 <212> TYPE: DNA
 249 <213> ORGANISM: Mycobacterium avium
 251 <300> PUBLICATION INFORMATION:
 252 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536037
 253 <309> DATABASE ENTRY DATE: 2003-01-03
 255 <400> SEQUENCE: 15
 256 acgggtgagt aacacgtggg caatctgccc tgcacttcgg gataaggctg ggaaaactggg 60
 257 tctaataccg gataggaccc caagacgtat ggttgggtgg gcaaaagctt tgcgggtgtgg 120

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004

TIME: 11:58:58

Input Set : A:\2073seq.002

Output Set: N:\CRF4\07272004\J723365A.raw

258 gatgggcccggcggcctatca gcttgggtggt ggggtgacgg cttaccagg cgacgacggg 180
 259 tagccggcct gagaggggtgt cggccacac tggacttag atacggcca gactcctacg 240
 260 ggaggcagca gtgggaata ttgcacaatg ggcgaagcc tgatgcagcg acgcccgtg 300
 261 ggggatgacg gccttcgggt tgtaaacctc ttccaccatc gacgaaggc cgggtttct 360
 262 cggattgacg gtaggtggag aagaagcacc gccaactac gtgccagcag ccgcggtaat 420
 263 acgttagggtg cgagcgttgttccggattac tggcgtaaa gagctcgtag gtgggttgc 480
 264 gcgttgcgtcg tgaaa 495
 266 <210> SEQ ID NO: 16
 267 <211> LENGTH: 495
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Mycobacterium celatum
 271 <300> PUBLICATION INFORMATION:
 272 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536040
 273 <309> DATABASE ENTRY DATE: 2003-01-03
 275 <400> SEQUENCE: 16
 276 acgggtgagt aacacgtggg tgatctgccc tgcacttcgg gataagcttg ggaaactggg 60
 277 tctaataccg gataggacca tggatgcat gtcttgggt gaaagctt tgccgtgtgg 120
 278 gatgggcccggcggcctatca gcttgggtggt ggggtgatgg cttaccagg cgacgacggg 180
 279 tagccggcct gagaggggtgt cggccacac tggacttag atacggcca gactcctacg 240
 280 ggaggcagca gtgggaata ttgcacaatg ggcgaagcc tgatgcagcg acgcccgtg 300
 281 ggggatgacg gccttcgggt tgtaaacctc ttccaccatc gacgaagctg cgggtttct 360
 282 ggtggtgacg gtaggtggag aagaagcacc gccaactac gtgccagcag ccgcggtaat 420
 283 acgttagggtg cgagcgttgttccggattac tggcgtaaa gagctcgtag gtgggttgc 480
 284 gcgttgcgtcg tgaaa 495
 286 <210> SEQ ID NO: 17
 287 <211> LENGTH: 483
 288 <212> TYPE: DNA
 289 <213> ORGANISM: Mycobacterium fortuitum
 291 <300> PUBLICATION INFORMATION:
 292 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536039
 293 <309> DATABASE ENTRY DATE: 2003-01-03
 295 <400> SEQUENCE: 17
 296 acgggtgagt aacacgtggg tgatctgccc tgcactttgg gataagcctg ggaaactggg 60
 297 tctaataccg aatatgacca cgcgttcat ggtgtgtgg gaaagctt tgccgtgtgg 120
 298 gatgggcccggcggcctatca gcttgggtggt gggtaatgg cttaccagg cgacgacggg 180
 299 tagccggcct gagaggggtgt cggccacac tggacttag atacggcca gactcctacg 240
 300 ggaggcagca gtgggaata ttgcacaatg ggcgaagcc tgatgcagcg acgcccgtg 300
 301 agggatgacg gccttcgggt tgtaaacctc ttcaatagg gacgaagcgc aagtgacggt 360
 302 acctatagaa gaaggaccgg ccaactacgt gccagcagcc gcgtaatac gtagggtccg 420
 303 agcgttgcgtcg ggaattactg ggcgtaaaga gtcgttaggt gtttgcgtc gttgtcgtg 480
 304 aaa 483
 306 <210> SEQ ID NO: 18
 307 <211> LENGTH: 495
 308 <212> TYPE: DNA
 309 <213> ORGANISM: Mycobacterium gordonaiae
 311 <300> PUBLICATION INFORMATION:
 312 <308> DATABASE ACCESSION NO: EMBL Accession No. AJ536042
 313 <309> DATABASE ENTRY DATE: 2003-01-03
 315 <400> SEQUENCE: 18

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004
TIME: 11:58:59

Input Set : A:\2073seq.002
Output Set: N:\CRF4\07272004\J723365A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 5
Seq#:3; Xaa Pos. 5
Seq#:4; Xaa Pos. 5
Seq#:5; Xaa Pos. 2,5
Seq#:12; N Pos. 1,2,3,8,9,10,11,12,13,14,19,20,21
Seq#:32; N Pos. 821
Seq#:45; N Pos. 123
Seq#:46; N Pos. 174,179,317
Seq#:47; N Pos. 285,286
Seq#:48; N Pos. 131
Seq#:49; N Pos. 47,50,51,52,111,135,185,198,253,359
Seq#:50; N Pos. 131
Seq#:51; N Pos. 228,230,235,236,240,243,245
Seq#:52; N Pos. 84,265,269
Seq#:53; N Pos. 136,385
Seq#:54; N Pos. 76
Seq#:55; N Pos. 157
Seq#:56; N Pos. 103
Seq#:57; N Pos. 31
Seq#:58; N Pos. 211
Seq#:59; N Pos. 77
Seq#:60; N Pos. 131,239,254,283
Seq#:61; N Pos. 100
Seq#:62; N Pos. 228,341
Seq#:63; N Pos. 300,696,741,771
Seq#:64; N Pos. 378
Seq#:65; N Pos. 137
Seq#:66; N Pos. 249
Seq#:67; N Pos. 80,206,295,315,317,318,373,400,479
Seq#:68; N Pos. 48,154
Seq#:69; N Pos. 205,277,304
Seq#:70; N Pos. 117
Seq#:71; N Pos. 37,329,350
Seq#:72; N Pos. 653
Seq#:73; N Pos. 257
Seq#:74; N Pos. 98,114
Seq#:75; N Pos. 21,61,83,84,85,86
Seq#:78; N Pos. 183,256,284,327
Seq#:79; N Pos. 279
Seq#:80; N Pos. 44
Seq#:81; N Pos. 346
Seq#:82; N Pos. 291
Seq#:83; N Pos. 260
Seq#:84; N Pos. 257

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004

TIME: 11:58:59

Input Set : A:\2073seq.002

Output Set: N:\CRF4\07272004\J723365A.raw

L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
 L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
 L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
 L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
 L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
 L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:780
 L:790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:120
 L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:120
 L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:300
 L:843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:240
 L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:120
 L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
 L:901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:60
 L:902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:120
 L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:180
 L:904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:240
 L:905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:300
 L:926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:120
 L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:180
 L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240
 L:975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:60
 L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:240
 L:1004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:120
 L:1008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:360
 L:1026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:60
 L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
 L:1071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:60
 L:1094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
 L:1119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:180
 L:1139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:60
 L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:120
 L:1178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:180
 L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:240
 L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:60
 L:1227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:180
 L:1229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:300
 L:1261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:240
 L:1268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:660
 L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:720
 L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:360
 L:1312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:120
 L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:240
 L:1359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:60
 L:1361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:180
 L:1362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:240
 L:1363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:300
 L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:360
 L:1365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:420

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/723,365A

DATE: 07/27/2004

TIME: 11:58:59

Input Set : A:\2073seq.002

Output Set: N:\CRF4\07272004\J723365A.raw

L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:120
L:1423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:180
L:1424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:240
L:1425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:300
L:1443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:60
L:1474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:1479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:300
L:1506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:600
L:1527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:240
L:1556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:60
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:1588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:60
L:1645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:180
L:1646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:240
L:1647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:300
L:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:240
L:1685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:1712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:300
L:1723 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1727 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:82
L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:240
L:1754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:240
L:1776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:240

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.